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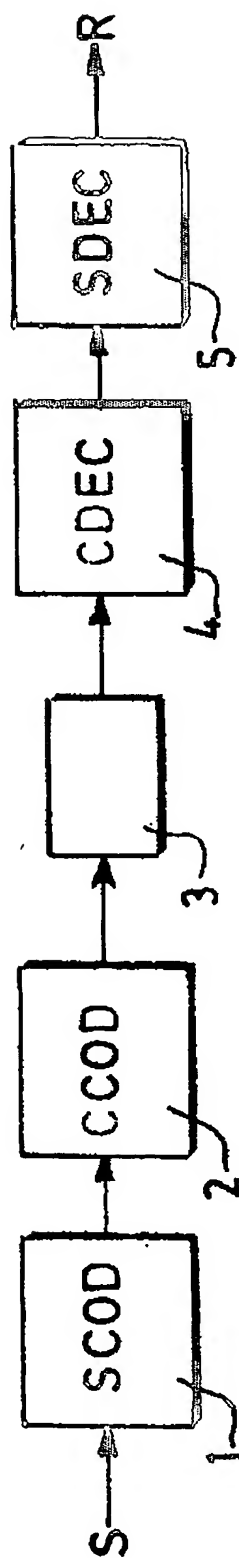
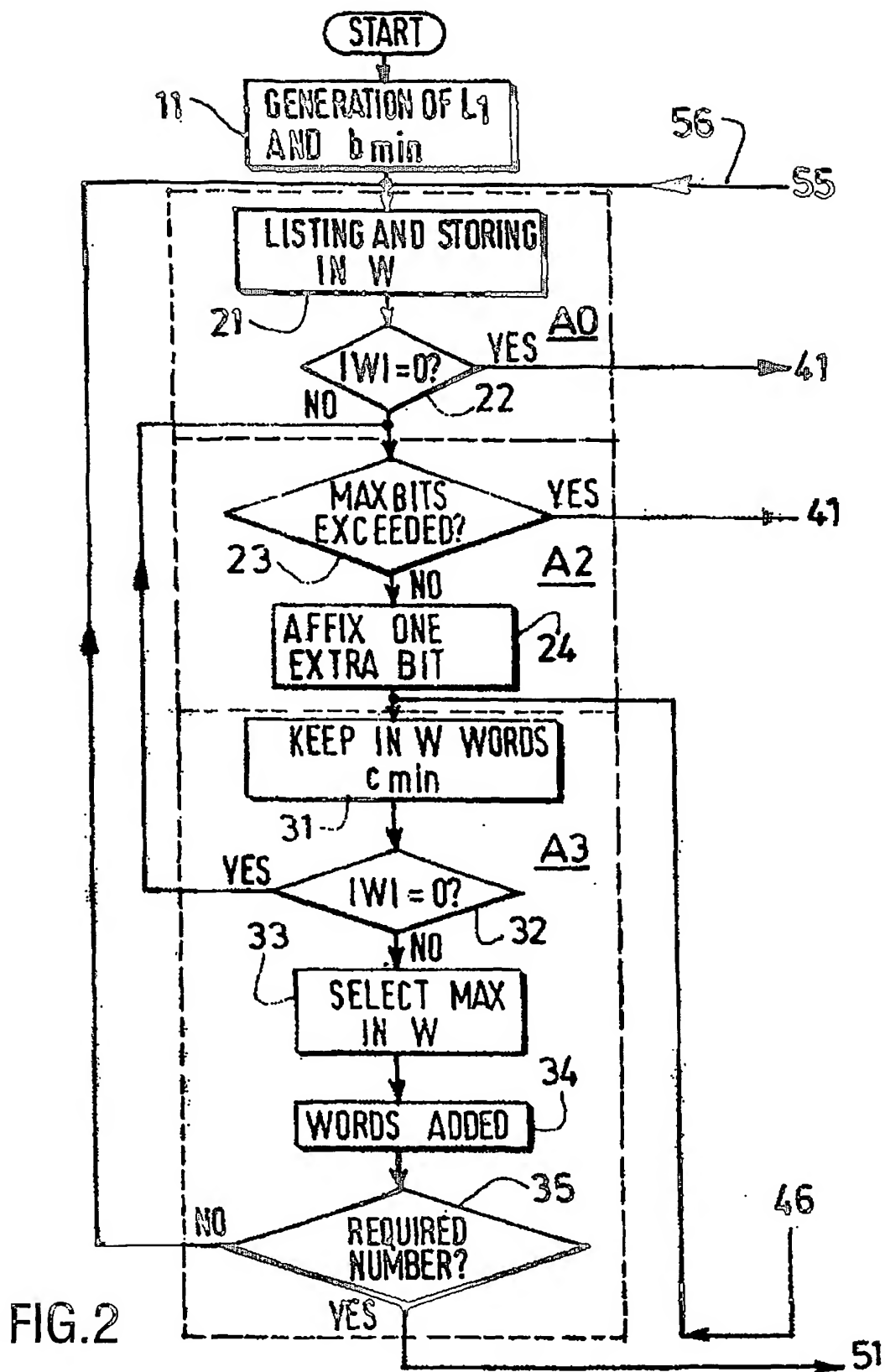


FIG.1

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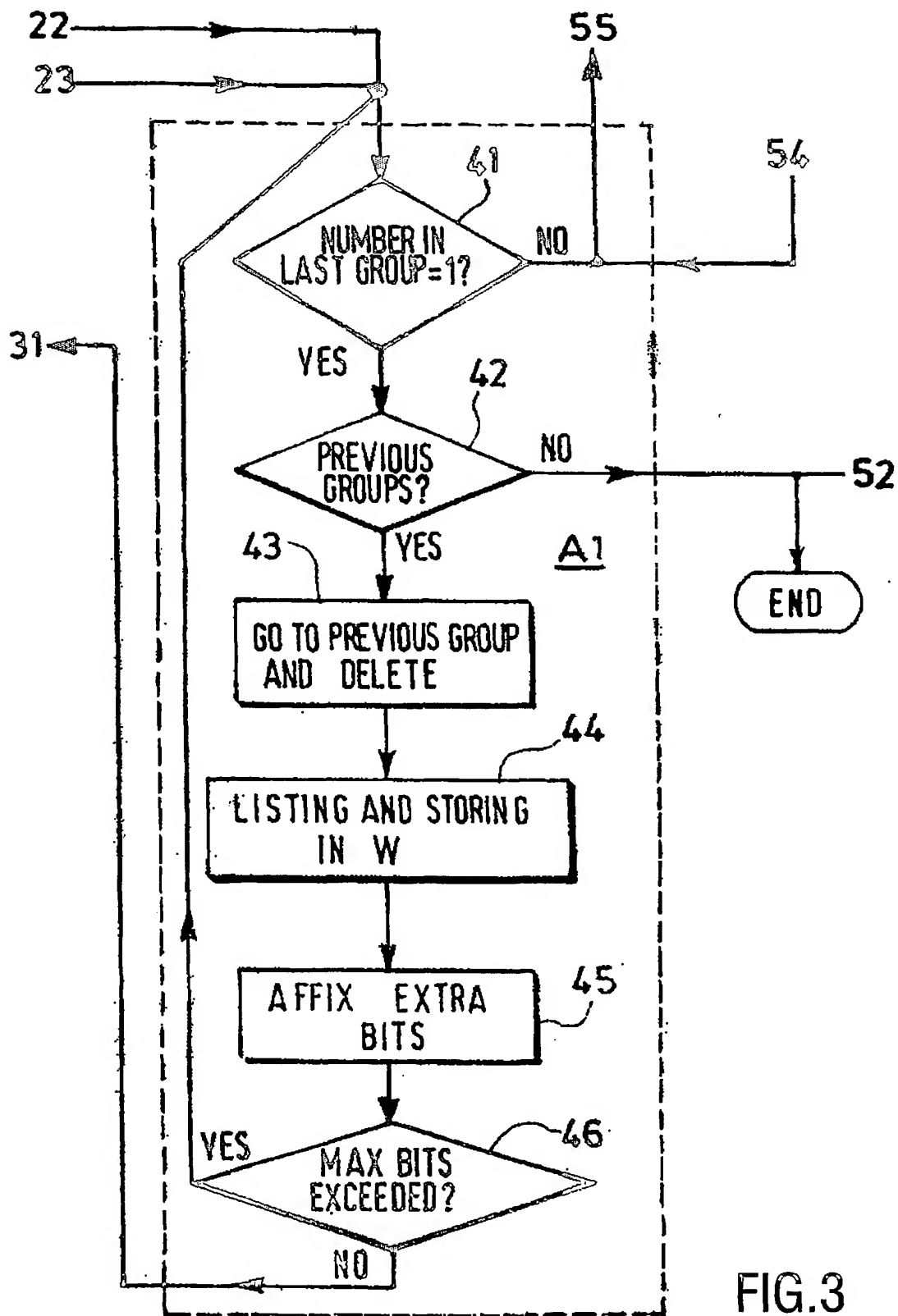


FIG.3

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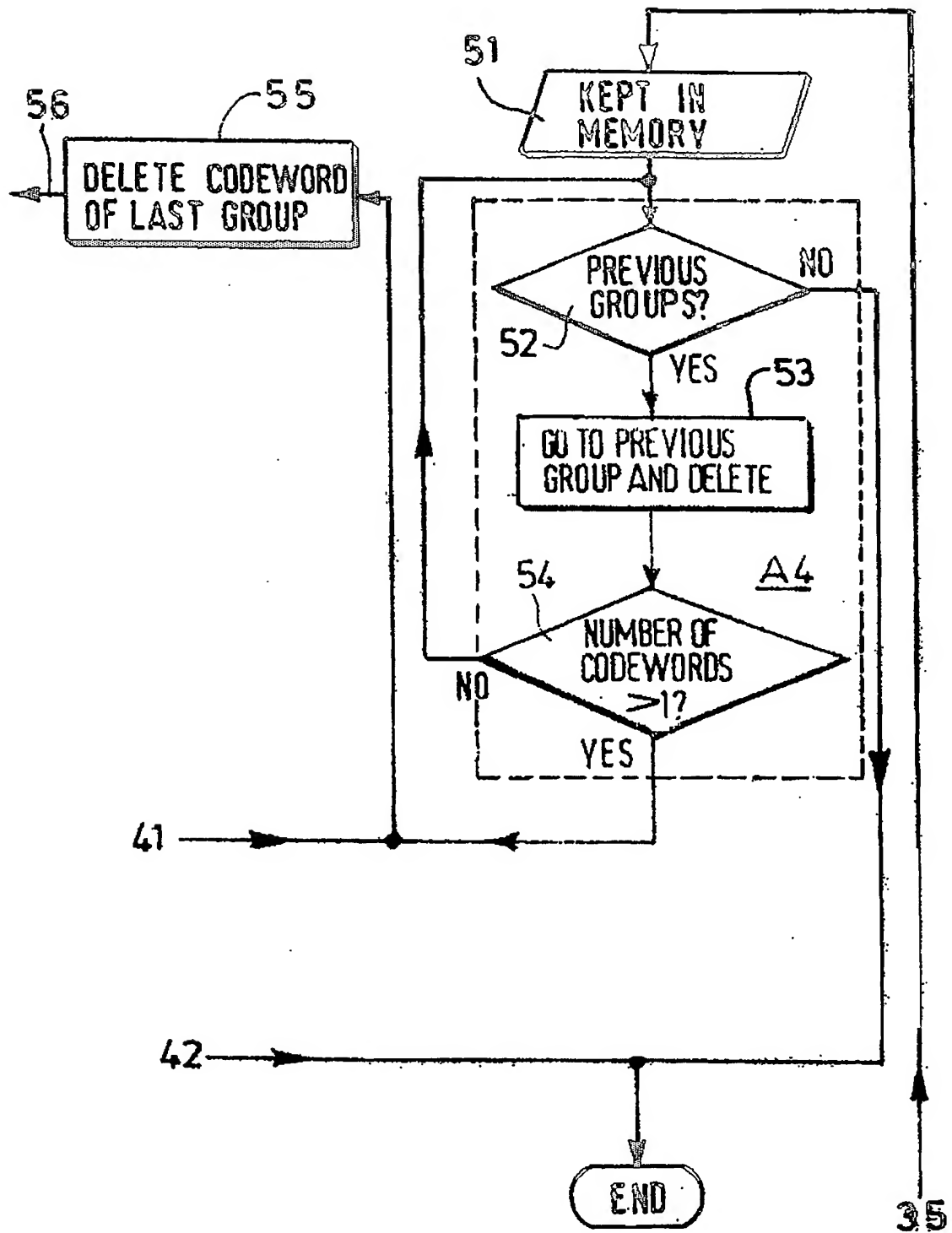


FIG.4

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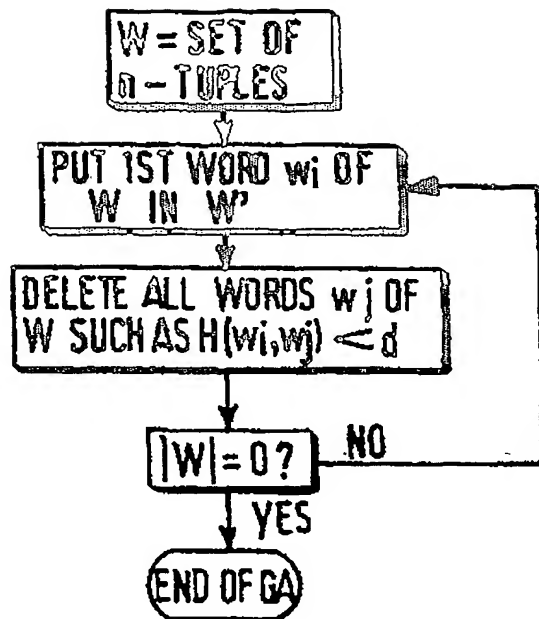


FIG. 5

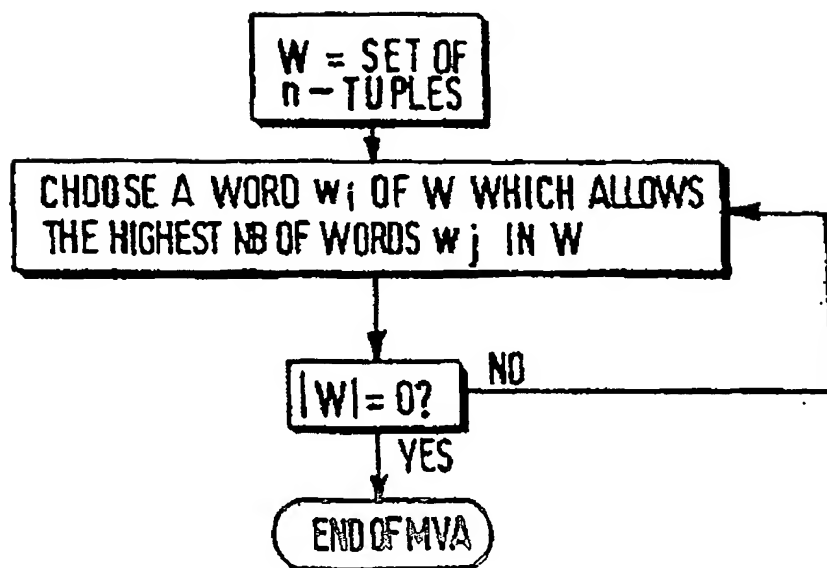


FIG. 7

dfreq	AL	TIME	CODE STRUCTURE
3	6,19,46	4s	(1@ 4,7)1@ 5,-;3@ 6,3,8@ 7,3;4@ 8,3;3@ 9,3;1@ 10,-;2@ 11,4;1@ 12,-;1@ 13,-;1@ 14,-;2,1)
5	8,50,61	15s	(1@ 6,-;2@ 7,5;3@ 8,5;4@ 9,5;5@ 10,5;5@ 11,5;5@ 12,5;2@ 13,5;3,2)
7	10,79	2min	(1@ 8,-;2@ 9,7;2@ 10,7;3@ 11,7;4@ 12,7;4@ 13,7;6@ 14,7;4@ 15,7;4,3)

FIG.6

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d _{free}	A L	TIME	CODE STRUCTURE
3	6,3038	50s	(1@4,-;2@5,4;4@6,3;4@7,3;5@8,3;5@9,3;2@10,4;2@11,3;2,1)
5	8,1752	16min	(1@6,-;1@7,-;4@8,5;5@9,5;5@10,5;5@11,5;5@12,5;3,2)
7	10,7385	14h	(1@7,-;1@8,-;1@9,-;1@10,-;3@11,7;4@12,7;5@13,7;5@14,7;5@15,7;4,3)

FIG.8

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SOURCE SYMBOL	PROBABILITY
<i>e</i>	0,1270
<i>t</i>	0,0906
<i>a</i>	0,0817
<i>o</i>	0,0751
<i>i</i>	0,0697
<i>n</i>	0,0674
<i>s</i>	0,0633
<i>h</i>	0,0609
<i>r</i>	0,0599
<i>d</i>	0,0425
<i>l</i>	0,0403
<i>c</i>	0,0278
<i>u</i>	0,0276
<i>m</i>	0,0241
<i>w</i>	0,0236
<i>f</i>	0,0223
<i>g</i>	0,0202
<i>y</i>	0,0197
<i>p</i>	0,0193
<i>b</i>	0,0149
<i>v</i>	0,0098
<i>k</i>	0,0077
<i>j</i>	0,0015
<i>x</i>	0,0015
<i>q</i>	0,0010
<i>z</i>	0,0007

FIG.9

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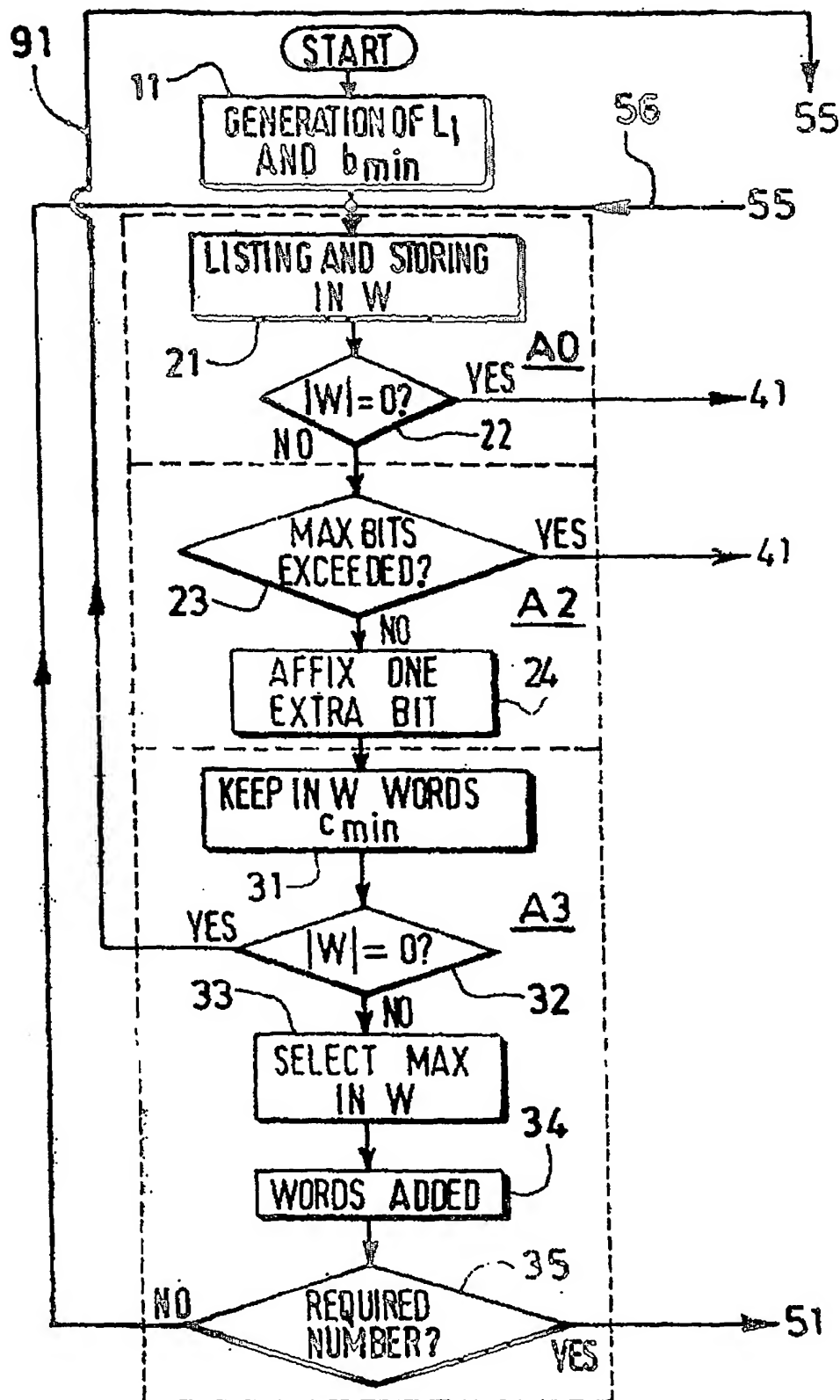


FIG. 10

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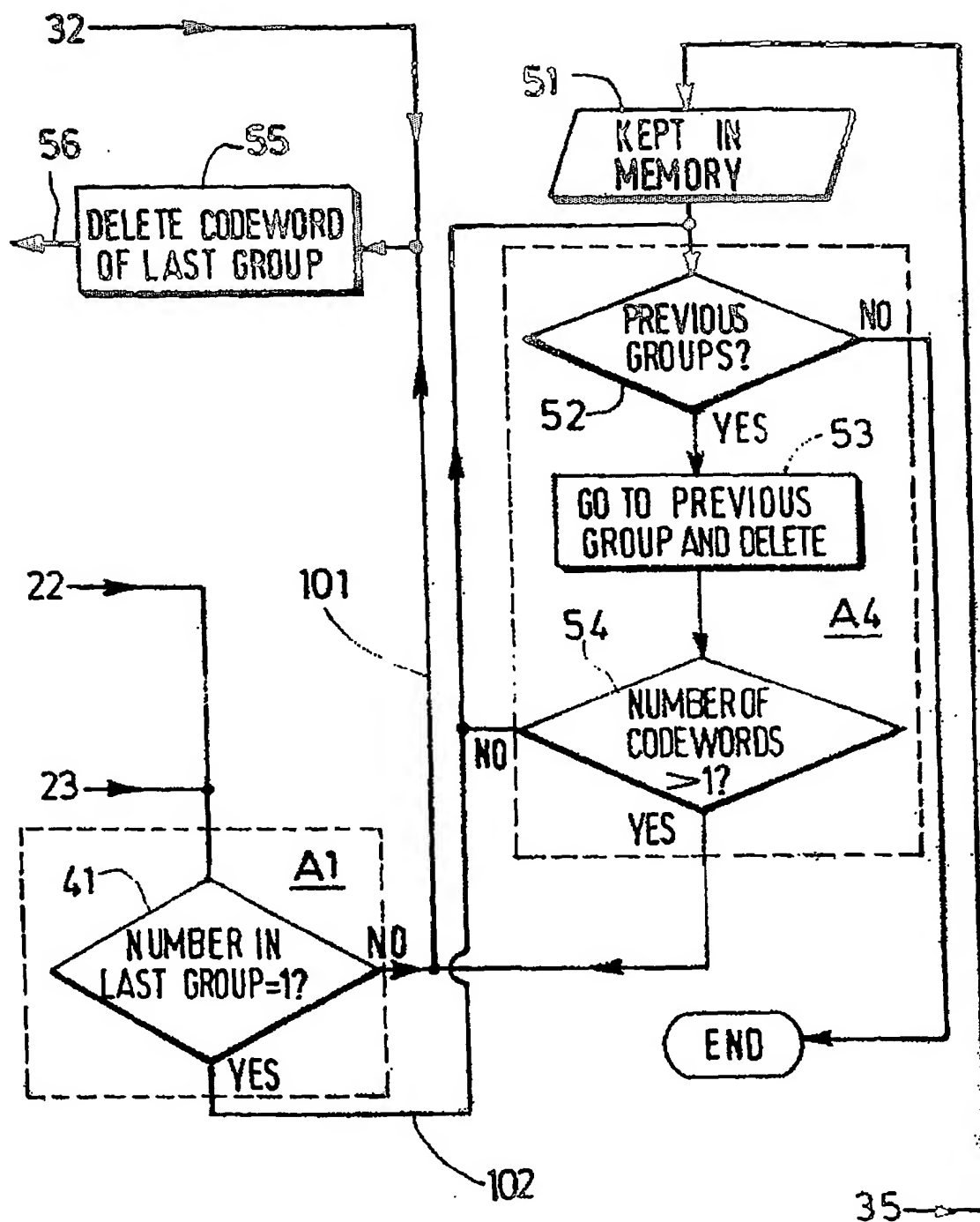


FIG. 11

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d free	AL	TIME	CODE STRUCTURE
3	6,3494	42s	(1@ 4,-;1@ 5,-;5@ 6,3;6@ 7,3;4@ 8,3;6@ 9,3;1@ 10,-;1@ 12,-;2@ 13,-;1@ 15,-;2,1)
5	8,5061	3min	(1@ 6,-;2@ 7,5;3@ 8,5;4@ 9,5;4@ 10,5;5@ 11,5;5@ 12,5;2@ 13,5;3,2)
7	10,79	13min	(1@ 8,-;2@ 9,7;2@ 10,7;3@ 11,7;4@ 12,7;4@ 13,7;6@ 14,7;6@ 15,7;4,3)

FIG.12

d free	AL	TIME	CODE STRUCTURE
3	6,3530	17s	(1@ 4,-;1@ 5,-;5@ 6,3;6@ 7,3;4@ 8,3;3@ 9,3;2@ 10,4;2@ 11,3;1@ 12,-;1@ 13,-;2,1)
5	8,5061	45s	(1@ 6,-;2@ 7,5;3@ 8,5;4@ 9,5;4@ 10,5;5@ 11,5;5@ 12,5;2@ 13,5;3,2)
7	10,79	3min	(1@ 8,-;2@ 9,7;2@ 10,7;3@ 11,7;4@ 12,7;4@ 13,7;6@ 14,7;6@ 15,7;4,3)

FIG.13

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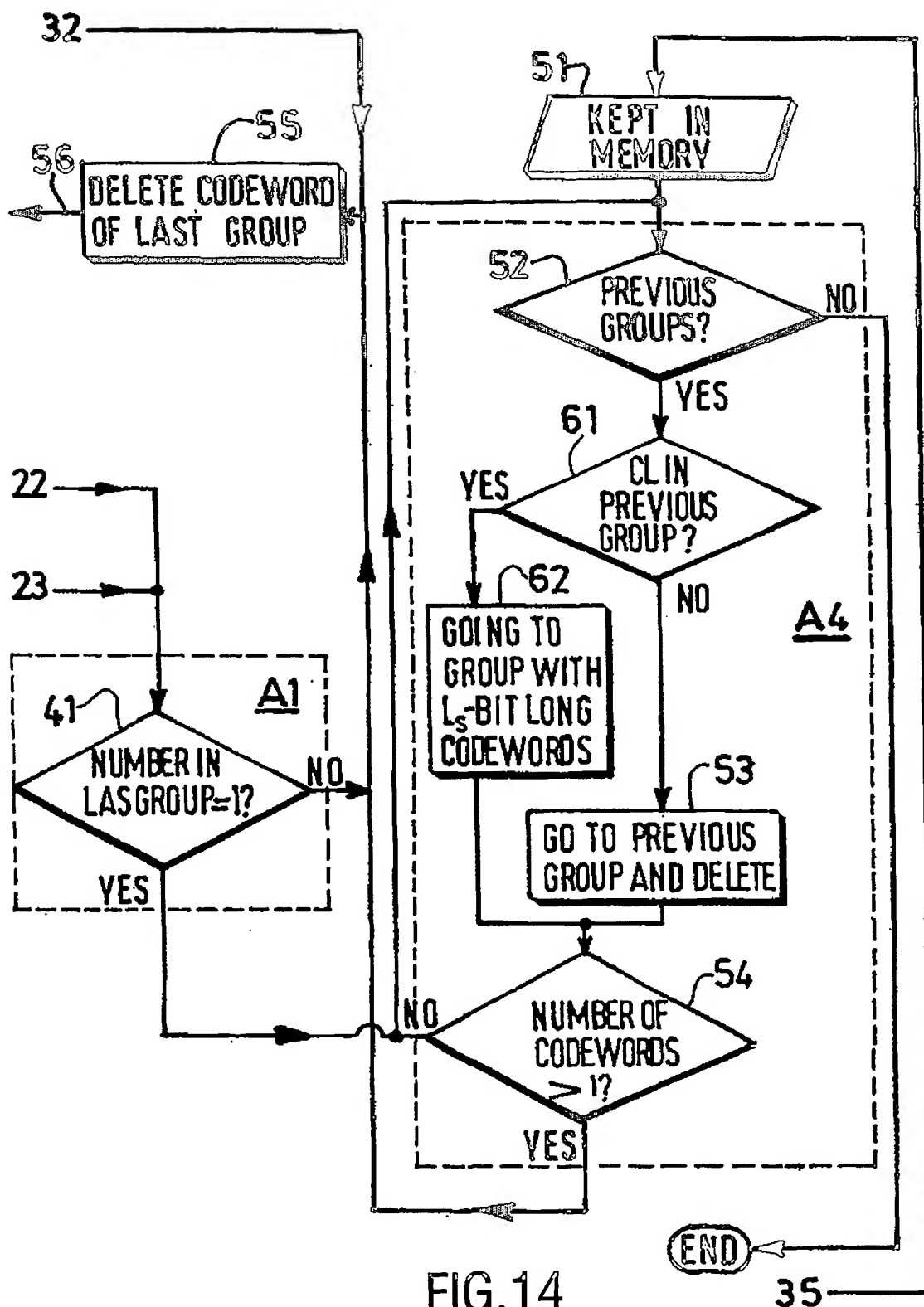


FIG. 14

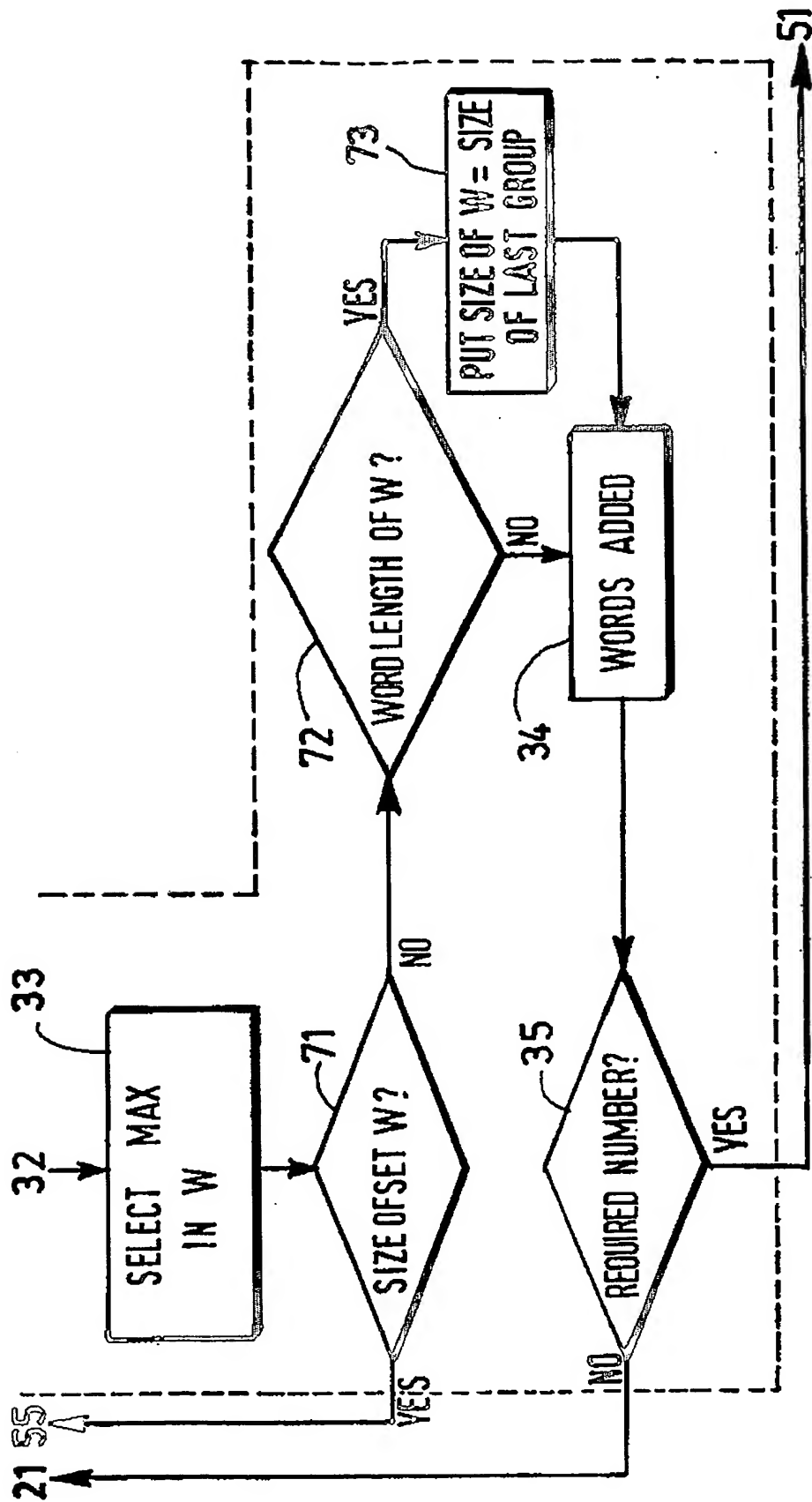


FIG.15

d tree	Ls->	4	5	6	7	8	9	10	11	12	13	14	15
3 (L ₁ =4, L _{max} =13)	AL	n°	n°	6,6356	6,3650	6,3550	6,3530	6,3530	6,3530	6,3530	6,3530	x	x
	Time	code	code	0,017s	0,08s	0,5s	3s	6,7s	11,5s	17s	17s	x	x
5 (L ₁ =6, L _{max} =13)	AL	x	x	n°	8,5061	8,5061	8,5061	8,5061	8,5061	8,5061	8,5061	x	x
	Time	x	x	code	0,01s	0,03s	0,13s	0,76s	6,8s	45s	45s	x	x
7 (L ₁ =8, L _{max} =15)	AL	x	x	x	x	10,79	10,79	10,79	10,79	10,79	10,79	10,79	10,79
	Time	x	x	x	x	0,02s	0,07s	0,17s	0,6s	2s	128s	175s	175s

FIG.16

d tree	Ls->	4	5	6	7	8	9	10	11	12	13	14	15
3 (L ₁ =4, L _{max} =13)	AL	7,832	7,832	6,3654	6,3654	6,3654	6,353	6,353	6,353	6,353	6,353	x	x
	Time(s)	0,002	0,003	0,014	0,051	0,358	2,3	4	5,3	5,5	5,5	x	x
5 (L ₁ =6, L _{max} =13)	Lm	5	5	8	8	6	7	7	7	7	7	x	x
	AL	x	x	8,5061	8,5061	8,5061	8,5061	8,5061	8,5061	8,5061	8,5061	x	x
7 (L ₁ =8, L _{max} =15)	Time(s)	x	x	0,004	0,008	0,026	0,113	0,637	5,7	37	37	x	x
	Lm	x	x	11	11	11	11	11	11	11	11	x	x
7 (L ₁ =8, L _{max} =15)	AL	x	x	x	x	10,79	10,79	10,79	10,79	10,79	10,79	10,79	10,79
	Time(s)	x	x	x	x	0,017	0,05	0,122	0,43	1,5	4,9	6,5	6,5
7 (L ₁ =8, L _{max} =15)	Lm	x	x	x	x	14	14	14	14	14	14	14	14
	Lm	x	x	x	x	14	14	14	14	14	14	14	14

FIG.17